

**City of Antioch  
Proposition 1E Grant Proposal  
Attachment 10**

**Cost and Benefits  
Summary**



**City of Antioch**  
**Proposition 1E Stormwater Flood Management Grant Proposal**

**ATTACHMENT 10 –**  
**COST AND BENEFIT SUMMARY**

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**Cost and Benefit Summary**

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As shown in Table 20, the *Drainage Area 55 – West Antioch Creek Channel Improvement Project* provides significant flood protection benefits. The total Project cost (expressed in present value terms) is \$4,816,752, and the total flood protection benefits (expressed in present value terms) is 7,876,005.

Therefore, benefits of this Project outweigh costs by a factor of 1.6.

| Table 20 - Proposal Project Costs and Benefits Summary for Proposition 1E<br>Proposal: City of Antioch Proposition 1E Stormwater Flood Management Grant Proposal<br>Agency: City of Antioch |                 |                                       |                                      |                            |            |                    |            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|---------------------------------------|--------------------------------------|----------------------------|------------|--------------------|------------|
| Project                                                                                                                                                                                     | Agency          | Total Present Value Project Costs (1) | Total Present Value Project Benefits |                            |            |                    | B/C Ratio  |
|                                                                                                                                                                                             |                 |                                       | Water Supply (2)                     | Flood Damage Reduction (3) | Other (4)  | Total              |            |
| (a)                                                                                                                                                                                         | (b)             | (c)                                   | (d)                                  | (e)                        | (f)        | (g)                | (h)        |
|                                                                                                                                                                                             |                 |                                       |                                      |                            |            | (d) + (e) + (f)    | (g) / (c)  |
| <b>Drainage Area 55 - West Antioch Creek Channel Improvements</b>                                                                                                                           | City of Antioch | \$4,816,752                           |                                      | \$7,876,005                |            | \$7,876,005        | <b>1.6</b> |
|                                                                                                                                                                                             |                 |                                       |                                      |                            |            | \$0                | <b>0.0</b> |
|                                                                                                                                                                                             |                 |                                       |                                      |                            |            | \$0                | <b>0.0</b> |
|                                                                                                                                                                                             |                 |                                       |                                      |                            |            | \$0                | <b>0.0</b> |
|                                                                                                                                                                                             |                 |                                       |                                      |                            |            |                    |            |
|                                                                                                                                                                                             |                 |                                       |                                      |                            |            |                    |            |
| <b>TOTAL</b>                                                                                                                                                                                |                 | <b>\$4,816,752</b>                    | <b>\$0</b>                           | <b>\$7,876,005</b>         | <b>\$0</b> | <b>\$7,876,005</b> | <b>1.6</b> |

(1) From Exhibit C, Table 10, column (i). Or from Exhibit D, Table 14, column (i). If project is a multi-purpose project, avoid double-counting costs.

(2) From Exhibit D, Table 18, column (d)

(3) From Exhibit C, Table 12, row (e)

(4) From Exhibit E, Table 19, column (j)